



PATENT
Atty. Dkt. APPM/005620.C1/DSM/LOW KJW

If filed

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Xu, et al.
§
Serial No.: 10/718,887
§ Group Art Unit: 2818
Confirmation No.: 1671
§
Filed: November 21, 2003
§ Examiner: Quoc Dinh Hoang
For: A Method of Eliminating
Photoresist Poisoning in
Damascene Applications
§
§

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING 37 CFR 1.8	
I hereby certify that this correspondence is being deposited on <u>October 21, 2005</u> with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313- 1450.	
<u>October 21, 2005</u>	<u>Brian K. Hrna</u>
Date	Brian K. Hrna

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

10/25/2005 LWONDIM1 00000008 200782 10718887

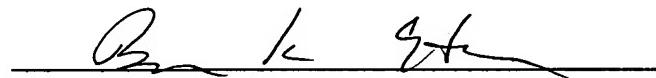
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In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

The Commissioner is hereby authorized to charge the sum of \$180.00 due under 37 CFR § 1.17(p) pursuant to § 1.97, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/APPM/005620.C1/BKH.

Respectfully submitted,



Brian K. Hrna
Registration No. 41,852
PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

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Substitute for form 1449A/PTO

**SUPPLEMENTAL
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(Use as many sheets as necessary)

Sheet 1

of 6

Application Number	10/718,887
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First Named Inventor	Xu, et al.
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-3,960,619	6/1/1976	Seiter	
	A2	US-4,262,631	4/21/1981	Kubacki	
	A3	US-4,532,150	7/30/1985	Endo, et al.	
	A4	US-4,634,601	1/6/1987	Hamakawa, et al.	
	A5	US-4,759,947	7/26/1988	Ishihara, et al.	
	A6	US-4,822,697	4/18/1989	Haluska, et al.	
	A7	US-4,885,220	12/5/1989	Kuhman, et al.	
	A8	US-4,894,352	1/16/1990	Lane, et al.	
	A9	US-5,000,819	3/19/1991	Pedder, et al.	
	A10	US-5,082,695	1/21/1992	Yamada, et al.	
	A11	US-5,103,285	4/7/1992	Furumura, et al.	
	A12	US-5,232,871	8/3/1993	Ho	
	A13	US-5,238,866	8/24/1993	Bolz, et al.	
	A14	US-5,300,951	4/5/1994	Yamazaki	
	A15	US-5,314,724	5/24/1994	Tsukune, et al.	
	A16	US-5,362,526	11/8/1994	Wang, et al.	
	A17	US-5,409,543	4/25/1995	Panitz, et al.	
	A18	US-5,423,941	6/13/1995	Komura, et al.	
	A19	US-5,427,621	6/27/1995	Gupta	
	A20	US-5,451,263	9/19/1995	Linn, et al.	
	A21	US-5,465,680	11/14/1995	Loboda	
	A22	US-5,508,067	4/16/1996	Sato, et al.	
	A23	US-5,525,550	6/11/1996	Kato	
	A24	US-5,554,570	9/10/1996	Maeda, et al.	
	A25	US-5,591,494	1/7/1997	Sato, et al.	
	A26	US-5,591,566	1/7/1997	Ogawa	
	A27	US-5,593,741	1/14/1997	Ikeda	
	A28	US-5,597,566	1/28/1997	Huls	

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2

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		Number-Kind Code ² (if known)			
A29	US-5,618,619		4/8/1997	Petr michl, et al.	
A30	US-5,627,105		5/6/1997	Delfino, et al.	
A31	US-5,660,682		8/26/1997	Zhao, et al.	
A32	US-5,679,413		10/21/1997	Petr michl, et al.	
A33	US-5,711,987		1/27/1998	Bearinger, et al.	
A34	US-5,726,097		3/10/1998	Yanagida	
A35	US-5,741,626		4/21/1998	Jain, et al.	
A36	US-5,780,163		7/14/1998	Camilletti, et al.	
A37	US-5,801,098		9/1/1998	Fiordalice, et al.	
A38	US-5,818,071		10/6/1998	Loboda, et al.	
A39	US-5,821,168		10/13/1998	Jain	
A40	US-5,926,437		7/20/1999	Forbes, et al.	
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A42	US-5,953,627		9/14/1999	Carter, et al.	
A43	US-5,989,998		11/23/1999	Sugahara, et al.	
A44	US-5,998,100		12/7/1999	Azuma, et al.	
A45	US-6,041,734		3/28/2000	Raoux et al.	
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A48	US-6,054,379		4/25/2000	Yau et al.	
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A50	US-6,068,884		5/30/2000	Rose, et al.	
A51	US-6,103,456		8/15/2000	Tobben, et al.	
A52	US-6,107,192		8/22/2000	Subrahmanyam, et al.	
A53	US-6,114,259		9/5/2000	Sukharev, et al.	
A54	US-6,140,226		10/31/2000	Grill, et al.	
A55	US-6,147,009		11/14/2000	Grill, et al.	
A56	US-6,159,871		12/12/2000	Loboda, et al.	

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3

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6

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		Number-Kind Code ² (if known)			
A57	US-6,287,990		9/11/2001	Cheung, et al.	
A58	US-6,303,523		10/16/2001	Cheung, et al.	
A59	US-6,312,793		11/6/2001	Grill, et al.	
A60	US-6,316,167		11/13/2001	Angelopoulos, et al.	
A61	US-6,340,628		1/22/2002	Van Cleemput, et al.	
A62	US-6,364,954		4/2/2002	Umotoy et al.	
A63	US-6,372,661		4/15/2002	Lin, et al.	
A64	US-6,410,437		6/25/2002	Flanner, et al.	
A65	US-6,417,092		7/9/2002	Jain	
A66	US-6,429,121		8/6/2002	Hopper, et al.	
A67	US-6,436,824		8/20/2002	Chooi, et al.	
A68	US-6,444,568		9/3/2002	Sundararajan, et al	
A69	US-6,462,371		10/8/2002	Weimer, et al.	
A70	US-6,465,366		10/15/2002	Nemani et al.	
A71	US-6,489,238		12/3/2002	Tsui	
A72	US-6,495,448		12/17/2002	Lee	
A73	US-6,528,423		3/4/2003	Cataby, et al.	
A74	US-6,528,426		3/4/2003	Olsen, et al.	
A75	US-6,531,398		3/11/2003	Gaillard et al.	
A76	US-6,534,397		3/18/2003	Okada, et al.	
A77	US-6,537,733		3/25/2003	Campana et al.	
A78	US-6,555,476		4/29/2003	Olsen, et al.	
A79	US-6,593,653		7/15/2003	Sundararajan, et al.	
A80	US-6,627,532		9/30/2003	Gaillard et al.	
A81	US-6,630,412		10/7/2003	Shioya, et al.	
A82	US-6,645,883		11/11/2003	Yamamoto, et al.	
A83	US-6,756,672		6/29/2004	You, et al.	
A84	US-6,764,311		9/21/2004	Huang et al.	

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<p>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use as many sheets as necessary)</p>		Application Number	10/718,887
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		First Named Inventor	Xu, et al.
		Group Art Unit	2818
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5

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FOREIGN PATENT DOCUMENTS

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 0 725 440	8/7/1996	Loboda, et al.		
	B2	EP 0 771 886	6/7/1997	Loboda		
	B3	EP 0 926 715	6/30/1999	Olsen et al.		
	B4	EP 0 926 724	6/30/1999	Swanson et al.		
	B5	EP 1 050 601	11/8/2000	Xia, et al.		
	B6	JP 06-204191 (English Translation)	7/22/1994	Keiji		X
	B7	JP 10-223758 (English Translation)	8/21/1998	Nobuhisa		X
	B8	JP 61257475 (English Translation)	11/14/1986	Arai		X
	B9	WO 00/19498	4/6/2000	Huang		
	B10	WO 00/19508	4/6/2000	Rathi et al.		
	B11	WO 99/33102	7/1/1999	Somekh		

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	DIJKSTRA, ET AL. "Optimization of Anti-Reflection Layers for Deep UV Lithography", Proceedings of SPIE Optical/Laser Microlithography VI, Vol. 1927 1993, pp. 275-286.	
	C2	European Search Report from EP 01116054.6-2119 dated October 30, 2001. (APPM/004686 EP)	
	C3	Huang, "IN SITU DEPOSITION OF A LOW K DIELECTRIC LAYER, BARRIER LAYER, ETCH STOP, AND ANTI-REFLECTIVE COATING FOR DAMASCENE APPLICATION", USSN 09/270,039, Filed March 16, 1999. (AMAT/2966.X3)	
	C4	OGAWA, ET AL. "Novel ARC Optimization Methodology for KrF Excimer Laser Lithography at Low K1 Factor", Proceedings of the SPIE Optical/Laser Microlithography V, Vol. 1674 1992, pp. 362-375.	
	C5	SWOPE, ET AL. "Improvement of Adhesion Properties of Fluorinated Silica Glass Films by Nitrous Oxide Plasma Treatment" J. Electrochemical Society 144(7) July 1977, pp. 2259-2564.	
	C6	TAKEISHI, ET AL. "Stabilizing Dielectric Constants of Fluorine-Doped SiO ₂ Films by N ₂ O Plasma Annealing, J. Electrochemical Society 143(1) January 1996, pp. 381-384.	

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